



Measurement of the B^0 and B^+ meson lifetimes with fully reconstructed hadronic final states

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 graphicx dcolumn amsmath epsfig
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 η'
 $D^* D^{**} D^{*+} D^{*-} D^{*0}$
 $\rightarrow \eta \pi^+ \pi^- \rightarrow \rho^0 \gamma$
 $B^0 \rightarrow K_S^0 B^0 \rightarrow K^0$
 $TeV GeV MeV keV eV GeV/c MeV/c GeV/c^2 MeV/c^2$
 (stat) (syst)
 $^{-1} d-0.1 em E/dx \chi^2 m - mL$
 $\alpha_s \overline{MS} \Lambda_{\overline{MS}}$
 $\theta_w \overline{\theta}_w [1] A_{FB}^1 [1] g_V^1 [1] g_A^1 [1] \overline{g}_V^1 [1] \overline{g}_A^1$
 $f_D f_{D_s} f_B f_{B_d} f_{B_s} B_B \overline{B}_{B_d} \overline{B}_{B_s} \hat{B}_B \hat{B}_{B_d} \hat{B}_{B_s} \hat{B}_K \Lambda_{QCD}$
 [1]Section sec:1 [1]Section subsec:1 [1]Figure fig:1 [1]Table tab:1
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 [1] hep-ex/1 [1] hep-ph/1 [1] hep-th/1
 $\Delta m \Delta E$
 $B^0 \rightarrow D^{*-} \pi^+ B^0 \rightarrow D^{*-} \rho^+ B^0 \rightarrow D^{*-} a_1^+ B^0 \rightarrow D^- \pi^+ B^0 \rightarrow D^- \rho^+ B^0 \rightarrow D^- a_1^+ B^0 \rightarrow D^{*+} D^{*-}$
 $B^+ \rightarrow \overline{D}^0 \pi^+ B^+ \rightarrow \overline{D}^0 \rho^+ B^+ \rightarrow \overline{D}^0 a_1^+$
 $B^+ \rightarrow \overline{D}^{*0} \pi^+ B^+ \rightarrow \overline{D}^{*0} \rho^+ B^+ \rightarrow \overline{D}^{*0} a_1^+$
 $D^{*-} \pi^+ D^{*-} \rho^+ D^0 \rightarrow K^- \pi^+ D^0 \rightarrow K^- \pi^+ \pi^0 D^0 \rightarrow K^- \pi^+ \pi^- \pi^+ D^0 \rightarrow K^- \pi^+ \pi^- \pi^+ \pi^0 D^0 \rightarrow K_S^0 \pi^+ \pi^- D^0 \rightarrow K_S^0 \pi^+ \pi^- \pi^0 \overline{K}^{*0} \pi^0 K^{*-}$
et al.
 152 13 01 06 XX 8847 001XXXX
 $\Delta E B_{\text{rec}} B_{\text{opp}} B_{\text{CP}} B_{\text{TAG}}$
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